

Abstract of the Disclosure:

A method and a system for transmission of data packets between base stations and mobile stations in a mobile radio system includes transmitting each of the data packets in time frames 5 having a fixed number of timeslots, and a mobile station transmitting data packets in a plurality of successive timeslots. In the method and system, while the mobile station is connected to a present base station, a transmitting unit of the present base station transmitting control data packets or 10 no data packets to the mobile station during predetermined time frames while the mobile station is connected to the given base station, and respectively making available to a receiving unit of the mobile station a time interval longer than a predetermined time frame for receiving synchronization data 15 packets and/or measuring signal levels of adjacent base stations.

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